

06/11/01



31055 U.S. PTO

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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	01 PAT 140
First Inventor	McLOUGHLIN
Title	Wellbore Directional Steering Tool
Express Mail Label No.	EL 821 972 312 US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☐ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **38**]  
(preferred arrangement set forth below)
  - ✓ - Descriptive title of the invention
  - ✓ - Cross Reference to Related Applications
  - ✓ - Statement Regarding Fed sponsored R & D
  - ✓ - Reference to sequence listing, a table, or a computer program listing appendix
  - ✓ - Background of the Invention
  - ✓ - Brief Summary of the Invention
  - ✓ - Brief Description of the Drawings (if filed)
  - ✓ - Detailed Description
  - ✓ - Claim(s)
  - ✓ - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **10**]
5. Oath or Declaration [Total Pages 
  - a. ☐ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: **Cover letter**  
**Cart. & Express Marking**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<input type="checkbox"/> Correspondence address below	
Name		27645	
Address		PATENT TRADEMARK OFFICE	
City	State	Zip Code	
Country	Telephone	Fax	

Name (Print/Type)	C. W. A. WORTH	Registration No. (Attorney/Agent)	33,824
Signature	<i>C. W. A. WORTH</i>	Date	11 JUN 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
Utility Patent Application Charge SheetThe Commissioner of Patents and Trademarks  
Washington, D.C. 20231

27645

PATENT TRADEMARK OFFICE

Sir:

Transmitted herewith for assignment of filing date is the partial patent application of inventor(s):

McLoughlin Stephen John; Lasater, Jeffry B.; Chance, Jack P.; Sutherland, George B.; Variava, Feronze M.;  
and Marcellus, Emerson

For "A Wellbore Directional Steering Tool";

Specification consisting of 38 pages, including abstract of the disclosure on a separate sheet of paper.

Enclosed are also:-

	Power of Attorney.	X	10 sheets of INFORMAL drawings.
	Declaration	X	Applicant(s) or Assignee(s) are small entity
X	Self-addressed stamped postcard receipt.		

## FILLING FEE

Claims as Filed For	Number Filed	Less	Number Extra	Small Entity FEE	O R	Other Small Entity FEE
Basic Fee				\$355		\$710
Total Claims	53	- 20	33	\$9	\$297	\$18 \$594
Independent Claims	4	- 3	1	\$40	\$40	\$80 \$80
Multiple Dependent Claims	NONE			\$135		\$270
TOTAL FEES CLAIMS					\$692	\$1,384
Effective 1x00						

## OTHER FEES

X NO CHECK is enclosed. Check, Power of Attorney/Declaration are to follow

Respectfully submitted

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Docket Number 01 PAT 140  
Client - Marks & Clerk

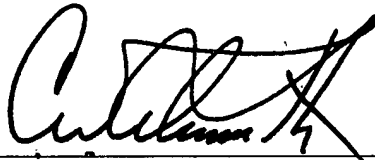
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**PATENT APPLICATION**

Applicant:	McLoughlin et al	Date:	June 11, 2001
Serial Number:	Applied Herewith	Examiner:	
Filing Date:	11 June 2001	Art Unit:	
Title:	A Wellbore Directional Steering Tool		

**CERTIFICATE OF EXPRESS MAILING**

Pursuant to Rule 1.10, I, the undersigned Attorney for the Applicant, do hereby certify and declare, subject to penalty of perjury, that the foregoing partial patent application was properly mailed, with proper postage prepaid, to the U.S. Patent and Trademark Office on the 11<sup>th</sup> day of June, 2001, by Express Mail receipt number EL 821972312 US. Pursuant to the same rule, the Commissioner is hereby respectfully requested to assign the filing date as the date of Express Mailing.



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EL 821972312US

**IN THE UNITED STATES PATENT OFFICE**  
**UTILITY PATENT APPLICATION**

**A WELLBORE DIRECTIONAL STEERING TOOL**

**Application, with missing parts, to obtain benefit of filing date.**

**INVENTORS:**

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